



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(74) Agent: STRAUS, Alexander; Becker, Kurig, Straus, Bavariasstrasse 7, D-80336 München (DE).			

(54) Title: LACTIC ACID BACTERIA STRAINS CAPABLE OF PREVENTING DIARRHOEA

## (57) Abstract

The present invention pertains to novel microorganisms of the family Lactobacillaceae, especially to microorganisms of the genus Lactobacillus, that are useful in preventing or treating diarrhoea. In particular, the present invention relates to the use of said micro-organisms for the preparation of an ingestible support and to a composition containing the same.

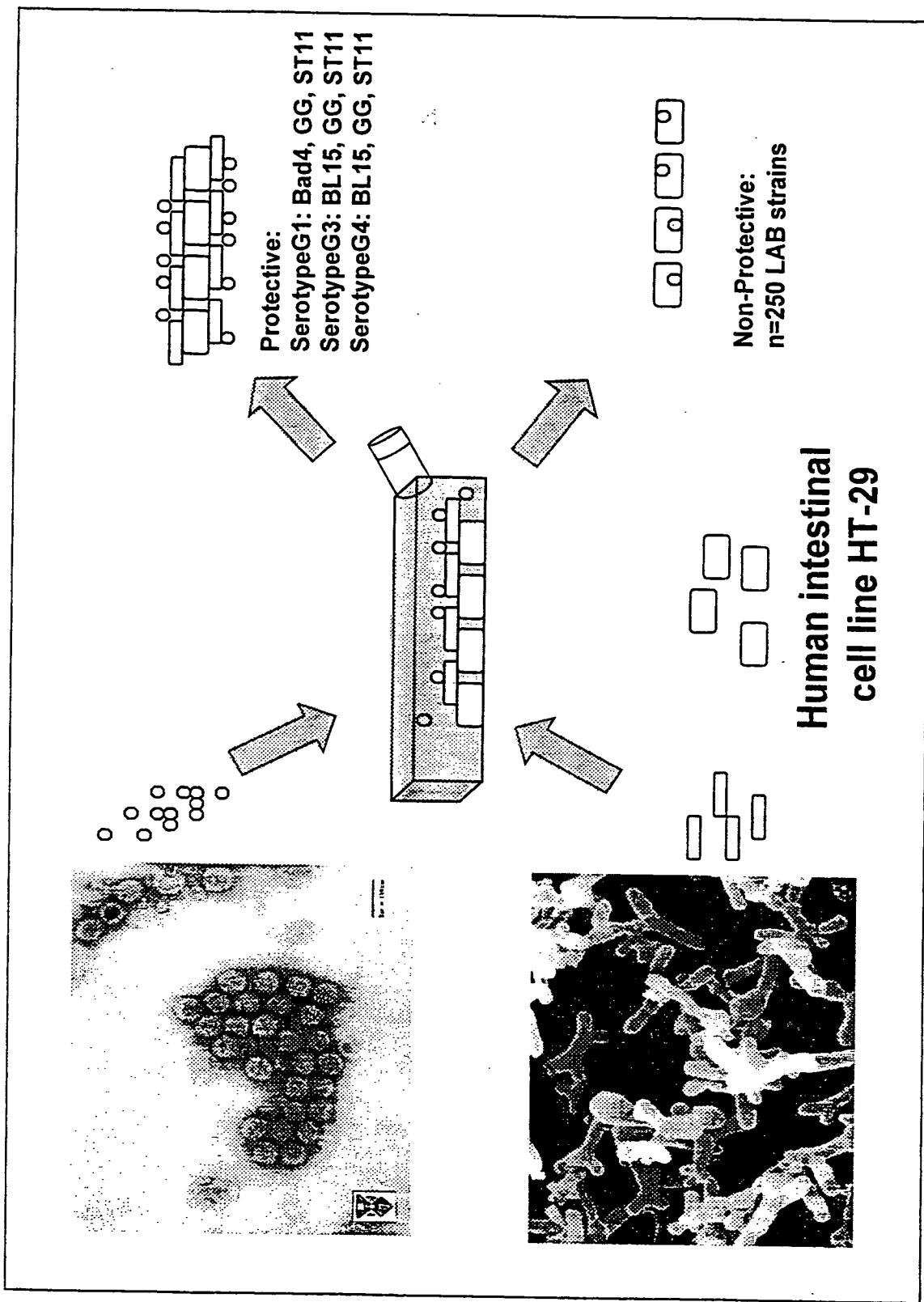


Fig. 1

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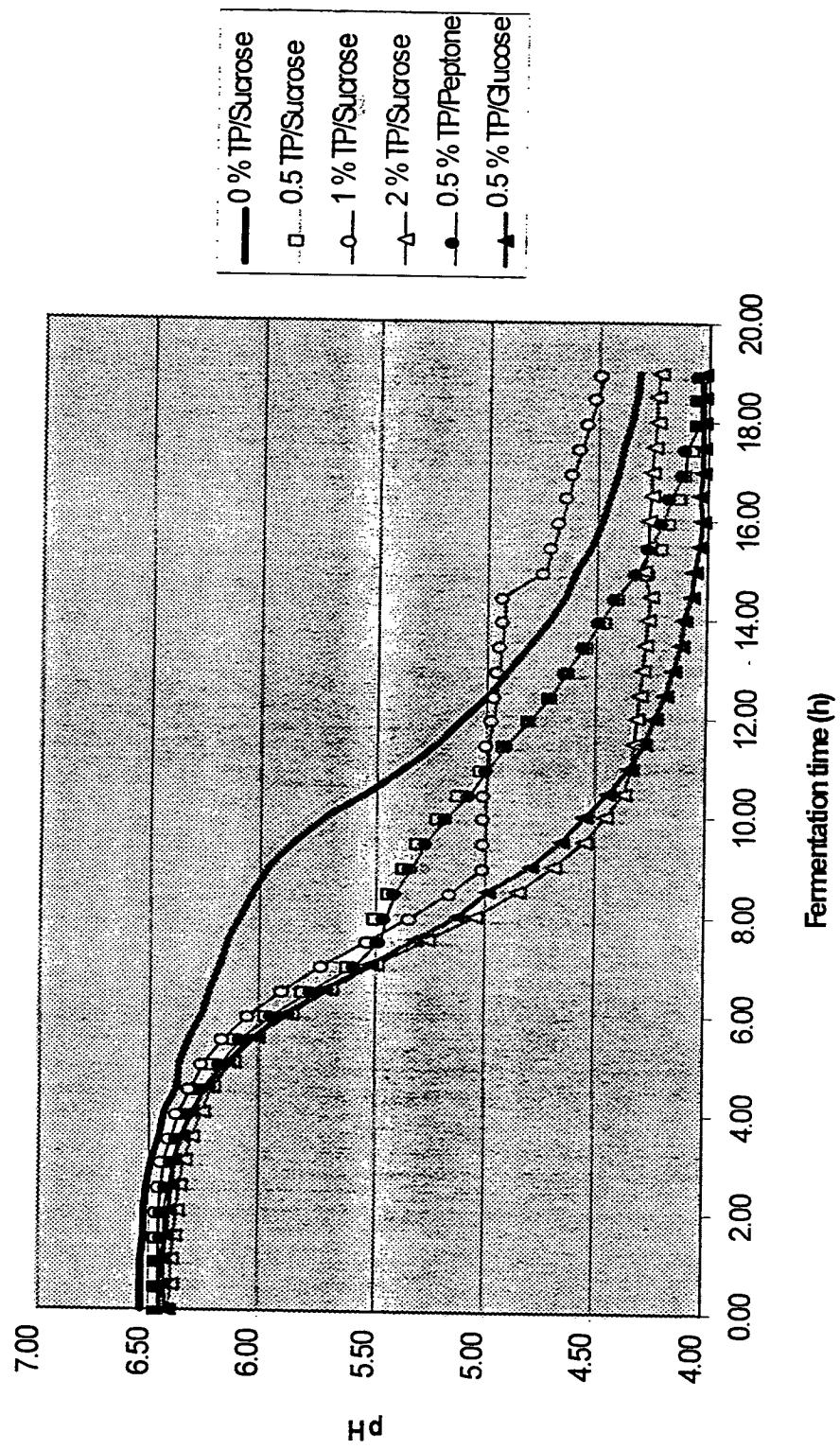
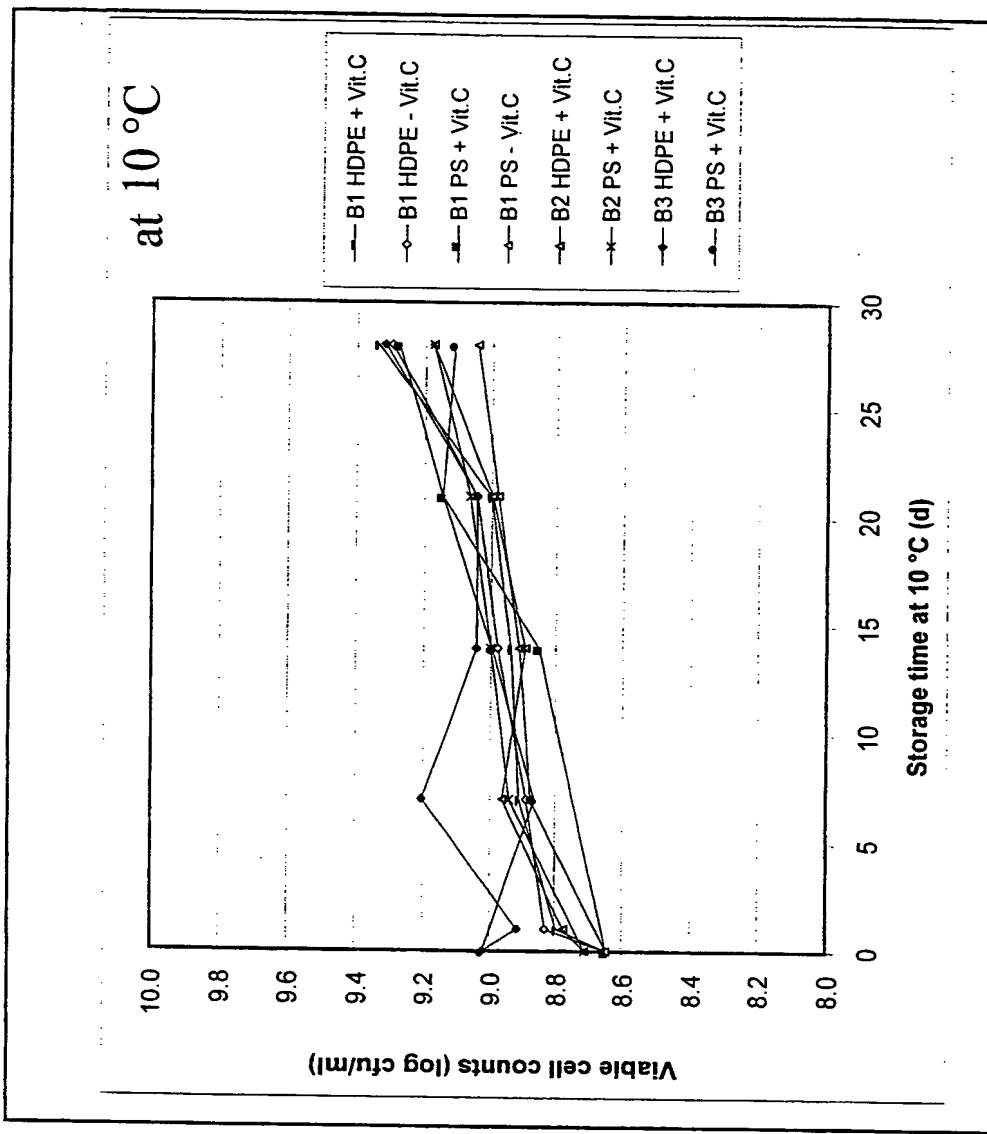


Fig. 2

**Fig. 3**  
**Survival in cereal drink**



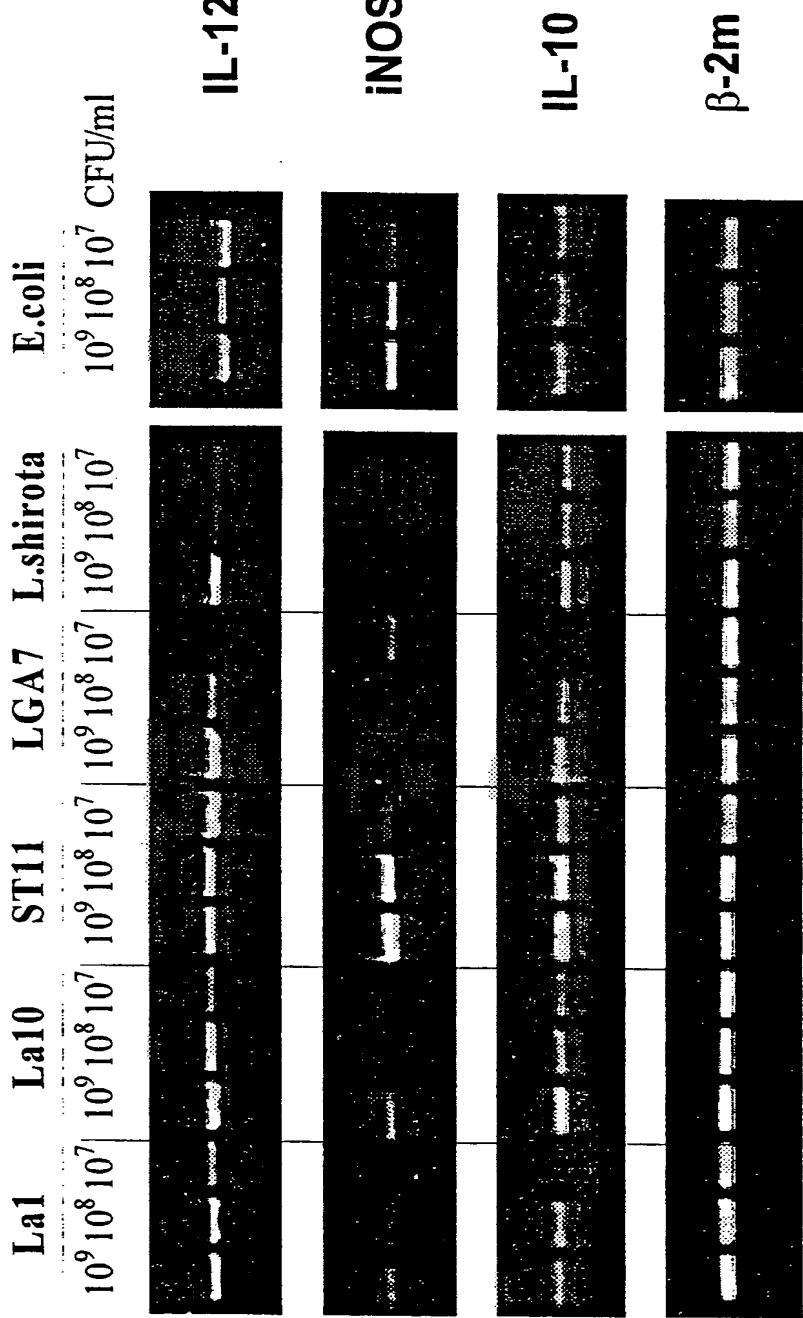
HDPE: High density poly ethylene

PS: polystyrene

Vit C: vitamin C

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Fig. 4 Induction of cytokine mRNA by LAB in mouse macrophages



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(ELISA 981103 & 980925)

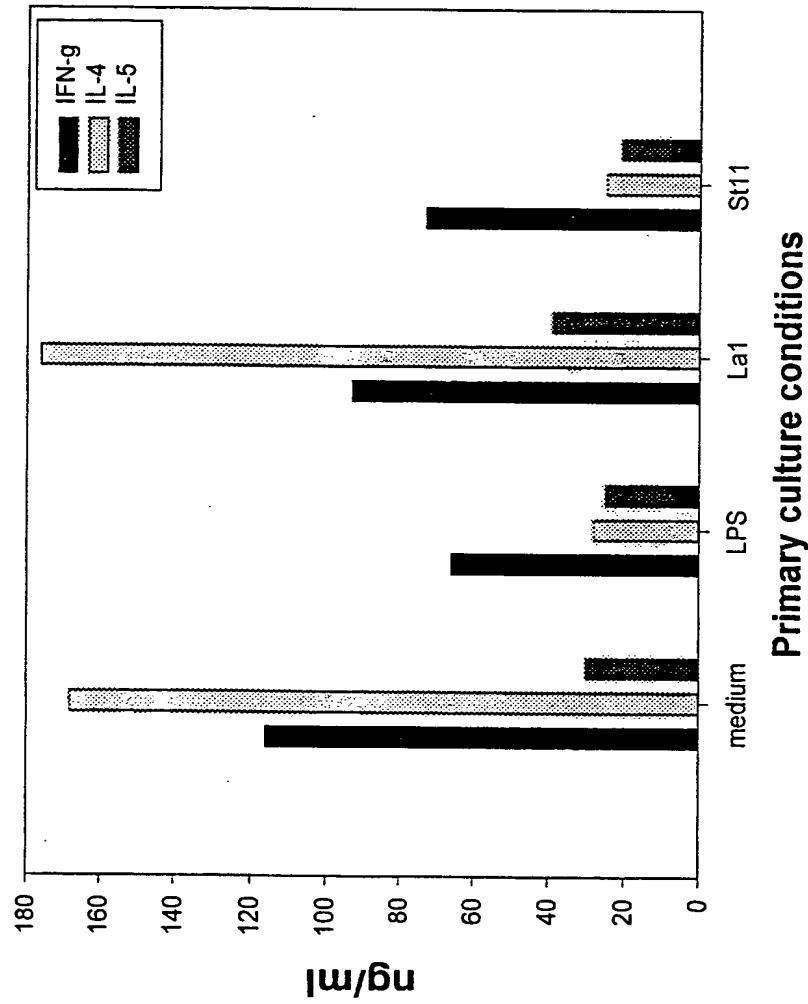


Fig. 5

Applicant's or agent's  
file reference

801 TWO

International application No.

PCT PCT/EP00/01797

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Institut Pasteur  
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F-75724 Paris Cedex 15

Date of deposit

12.01.1999

Accession Number

I-2116

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## INTERNATIONAL SEARCH REPORT

		International Application No PCT/EP 00/01797															
<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 A61K35/74 C12N1/20 A23L1/29 A23C9/152 // (C12N1/20, C12R1:225)																	
According to International Patent Classification (IPC) or to both national classification and IPC																	
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 A61K																	
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched																	
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)																	
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 10%;">Category</th> <th style="text-align: left; width: 80%;">Citation of document, with indication, where appropriate, of the relevant passages</th> <th style="text-align: left; width: 10%;">Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>EP 0 577 903 A (NESTLE SA) 12 January 1994 (1994-01-12) cited in the application the whole document</td> <td>1,6-11</td> </tr> <tr> <td>X</td> <td>WO 98 06411 A (DICOFARM SPA ;GUANDALINI STEFANO (IT)) 19 February 1998 (1998-02-19) the whole document</td> <td>1-11</td> </tr> <tr> <td>X</td> <td>US 5 837 238 A (MOLLSTAM BO ET AL) 17 November 1998 (1998-11-17) the whole document</td> <td>1,2,6-11</td> </tr> <tr> <td></td> <td></td> <td>-/-</td> </tr> </tbody> </table>			Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	EP 0 577 903 A (NESTLE SA) 12 January 1994 (1994-01-12) cited in the application the whole document	1,6-11	X	WO 98 06411 A (DICOFARM SPA ;GUANDALINI STEFANO (IT)) 19 February 1998 (1998-02-19) the whole document	1-11	X	US 5 837 238 A (MOLLSTAM BO ET AL) 17 November 1998 (1998-11-17) the whole document	1,2,6-11			-/-
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.		<input checked="" type="checkbox"/> Patent family members are listed in annex.															
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Date of the actual completion of the international search  5 June 2000		Date of mailing of the International search report  13/06/2000															
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer  Fernandez y Branas, F															

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Final Application No  
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Final Application No

PCT/EP 00/01797

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International Application No

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